

1 / 3 LGST (1 / 1) - ©LEGSTAT

PN

US 5852651 [US5852651]

AP

US 299159/94 19940831 [1994US-0299159]

DT

US-P

ACT

19940831 US/AE-A

APPLICATION DATA (PATENT)

US 299159/94 19940831 [1994US-0299159]

19970620 US/AS02

ASSIGNMENT OF ASSIGNOR'S INTEREST

ADC TELECOMMUNICATIONS, INC. 4900 WEST 78TH STREET BLOOMINGTON,
MINNESOTA 55435 *

FISCHER, LARRY G. : 19970519; RATLIFF, CHARLES R. : 19970530; WALA, PHILIP M. :
19970513

19981222 US/A

PATENT

20010220 US/RF

REISSUE APPLICATION FILED

20001222

UP

2001-08

2 / 3 CRXX (1 / 1) - ©CLAIMS/RRX

AN

3089587

PN

5,852,651 A 19981222 [US5852651]

PA

ADC Telecommunications Inc

PT

E (Electrical)

ACT

20001222 REISSUE REQUESTED

ISSUE DATE OF O.G.: 20010220

REISSUE REQUEST NUMBER: 09/747273

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2744

Reissue Patent Number:

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2001-08

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2001-02-20

3 / 3 PAST (1 / 1) - ©PAST

AN

200108-001171

PN

5852651 A [US5852651]

DT

A (UTILITY)

OG

2001-02-20

CO

REA

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REISSUE APPLICATION FILED

SH

REISSUE APPLICATION FILED

2/9/1

DIALOG(R) File 345:Inpadoc/Fam.& Legal Stat
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12118367

Basic Patent (No,Kind,Date): WO 9428690 A1 19941208 <No. of Patents: 012>

PATENT FAMILY:

AUSTRALIA (AU)

Patent (No,Kind,Date): AU 9470454 A1 19941220
CELLULAR RADIO SYSTEM WITH CENTRALIZED LOCATED BASE STATIONS AND
DISTRIBUTED ANTENNA UNITS (English)
Patent Assignee: ADC TELECOMMUNICATIONS INC
Author (Inventor): RUSSELL DAVID S; FISCHER LARRY G; WALA PHILIP M;
RATLIFF CHARLES R; BRENNAN JEFFREY
Priority (No,Kind,Date): US 68389 A 19930528; US 183221 A
19940114; US 204660 A 19940302; WO 94US5897 W 19940525
Aplic (No,Kind,Date): AU 9470454 A 19940525
IPC: * H04Q-007/04; H04B-010/12
Derwent WPI Acc No: * G 95-023214
Language of Document: English

BRAZIL (BR)

Patent (No,Kind,Date): BR 9406730 A 19970527
SISTEMA DE COMUNICACOES MICROCELULAR E PROCESSOS DE DESDOBRAMENTO
ESCALONADO DE UM SISTEMA DE COMUNICACOES MICROCELULAR DIGITAL DE
COMUTACAO PASSIVA E DE SETORIZACAO DA COBERTURA SOBRE UMA AREA DE
COMUNICACOES CELULAR (Portuguese)
Patent Assignee: ADC TELECOMMUNICATIONS INC (US)
Author (Inventor): RUSSELL DAVID S; FISCHER LARRY G; WALA PHILIP M;
RATLIFF CHARLES R; BRENNAN JEFFREY
Priority (No,Kind,Date): US 68389 A 19930528; US 183221 A
19940114; US 204660 A 19940302; WO 94US5897 W 19940525
Aplic (No,Kind,Date): BR 94U6730 A 19940525
IPC: * H04Q-007/04; H04B-010/12
Derwent WPI Acc No: * G 95-023214
Language of Document: Portuguese

CHINA (CN)

Patent (No,Kind,Date): CN 1127056 A 19960717
CELLULAR RADIO SYSTEM WITH CENTRALLZED LOCATED BASE STATIONS AND
DISTRIBUTED ANTENNA UNITS (English)
Patent Assignee: ADC TELECOMMUNICATIONS INC (US)
Author (Inventor): RUSSELL DAVID S (US); FISCHER LARRY G (US);
PHILIP M WALA (US)
Priority (No,Kind,Date): US 68389 A 19930528; US 183221 A
19940114; US 204660 A 19940302
Aplic (No,Kind,Date): CN 94192782 A 19940525
IPC: * H04Q-007/22; H04B-010/12
Derwent WPI Acc No: * G 95-023214
Language of Document: Chinese
Patent (No,Kind,Date): CN 1065402 B 20010502
CELLULAR RADIO SYSTEM AND METHOD FOR TRANSMISSION CELLULAR HONE TO
ESTATE (English)
Patent Assignee: ADC TELECOMM INC (US)
Author (Inventor): RUSSELL D S (US); FISCHER L G (US); WALA P M
(US)
Priority (No,Kind,Date): US 68389 A 19930528; US 183221 A
19940114; US 204660 A 19940302
Aplic (No,Kind,Date): CN 94192782 A 19940525
IPC: * H04Q-007/22; H04B-010/12
Derwent WPI Acc No: * G 95-023214
Language of Document: Chinese

JAPAN (JP)

Patent (No,Kind,Date): JP 8510878 T2 19961112
Priority (No,Kind,Date): WO 94US5897 W 19940525; US 68389 A
19930528; US 183221 A 19940114; US 204660 A 19940302
Aplic (No,Kind,Date): JP 94525837 A 19940525

IPC: * H04Q-007/36; H04B-010/20
Derwent WPI Acc No: * G 95-023214
Language of Document: Japanese

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5621786 A 19970415
CELLULAR COMMUNICATIONS SYSTEM HAVING PASSIVE HANDOFF (English)
Patent Assignee: ADC TELECOMMUNICATIONS INC (US)
Author (Inventor): FISCHER LARRY G (US); WALA PHILIP M (US); BRENNAN JEFFREY (US)
Priority (No,Kind,Date): US 294742 A 19940823; US 204660 A3
19940302; US 183221 B2 19940114; US 68389 B2 19930528; US 946402
B2 19920917; US 946964 B2 19920917; US 946931 B2 19920917; US
946548 B2 19920917
Aplic (No,Kind,Date): US 294742 A 19940823
National Class: * 379060000; 379059000; 455033100; 455033200;
455033300; 455033400; 370331000
IPC: * H04Q-007/22
Derwent WPI Acc No: * G 95-023214
Language of Document: English
Patent (No,Kind,Date): US 5627879 A 19970506
CELLULAR COMMUNICATIONS SYSTEM WITH CENTRALIZED BASE STATIONS AND
DISTRIBUTED ANTENNA UNITS (English)
Patent Assignee: ADC TELECOMMUNICATIONS INC (US)
Author (Inventor): RUSSELL DAVID S (US); FISCHER LARRY G (US); WALA PHILIP M (US); RATLIFF CHARLES R (US); BRENNAN JEFFREY (US)
Priority (No,Kind,Date): US 204660 A 19940302; US 183221 B2
19940114; US 68389 B2 19930528; US 946402 B2 19920917; US 946964
B2 19920917; US 946931 B2 19920917; US 946548 B2 19920917
Aplic (No,Kind,Date): US 204660 A 19940302
National Class: * 379059000; 455033100; 455033200; 455033300;
455033400; 379060000; 370328000
IPC: * H04Q-007/22
Derwent WPI Acc No: * G 95-023214
Language of Document: English
Patent (No,Kind,Date): US 5642405 A 19970624
CELLULAR COMMUNICATIONS SYSTEM WITH CENTRALIZED BASE STATIONS AND
DISTRIBUTED ANTENNA UNITS (English)
Patent Assignee: ADC TELECOMMUNICATIONS INC (US)
Author (Inventor): FISCHER LARRY G (US); WALA PHILIP M (US); BRENNAN JEFFREY (US)
Priority (No,Kind,Date): US 298652 A 19940831; US 204660 A3
19940302; US 183221 B2 19940114; US 68389 B2 19930528; US 946402
B2 19920917; US 946964 B2 19920917; US 946931 B2 19920917; US
946548 B2 19920917
Aplic (No,Kind,Date): US 298652 A 19940831
Addnl Info: 5627879 Patented
National Class: * 379060000; 379059000; 455033100; 455033200;
455033300; 455033400
IPC: * H04Q-007/22
Derwent WPI Acc No: * G 95-023214
Language of Document: English
Patent (No,Kind,Date): US 5644622 A 19970701
CELLULAR COMMUNICATIONS SYSTEM WITH CENTRALIZED BASE STATIONS AND
DISTRIBUTED ANTENNA UNITS (English)
Patent Assignee: ADC TELECOMMUNICATIONS INC (US)
Author (Inventor): RUSSELL DAVID S (US); FISCHER LARRY G (US)
Priority (No,Kind,Date): US 409738 A 19950323; US 204660 A3
19940302; US 183221 B2 19940114; US 68389 B2 19930528; US 946402
B2 19920917; US 946964 B2 19920917; US 946931 B2 19920917; US
946548 B2 19920917
Aplic (No,Kind,Date): US 409738 A 19950323
National Class: * 455422000; 359173000; 359152000; 370338000
IPC: * H04Q-007/22
Derwent WPI Acc No: * G 95-023214
Language of Document: English
Patent (No,Kind,Date): US 5657374 A 19970812
CELLULAR COMMUNICATIONS SYSTEM WITH CENTRALIZED BASE STATIONS AND
DISTRIBUTED ANTENNA UNITS (English)

Patent Assignee: ADC TELECOMMUNICATIONS INC (US)
 Author (Inventor): RUSSELL DAVID S (US); FISCHER LARRY G (US); WALA
 PHILIP M (US)
 Priority (No,Kind,Date): US 410129 A 19950323; US 204660 A3
 19940302; US 183221 B2 19940114; US 68389 B2 19930528; US 946402
 B2 19920917; US 946964 B2 19920917; US 946931 B2 19920917; US
 946548 B2 19920917
 Applc (No,Kind,Date): US 410129 A 19950323
 National Class: * 370328000; 455422000
 IPC: * H04Q-007/22
 Derwent WPI Acc No: * G 95-023214
 Language of Document: English
 Patent (No,Kind,Date): US 5852651 A 19981222
 CELLULAR COMMUNICATIONS SYSTEM WITH SECTORIZATION (English)
 Patent Assignee: ADC TELECOMMUNICATIONS INC (US)
 Author (Inventor): FISCHER LARRY G (US); RATLIFF CHARLES R (US);
 WALA PHILIP M (US)
 Priority (No,Kind,Date): US 299159 A 19940831; US 204660 A3
 19940302; US 183221 B2 19940114; US 68389 B2 19930528; US 946402
 B2 19920917; US 946964 B2 19920917; US 946931 B2 19920917; US
 946548 B2 19920917
 Applc (No,Kind,Date): US 299159 A 19940831
 Addnl Info: 5627879 Patented
 National Class: * 379056200; 455562000; 359152000
 IPC: * H04Q-007/30
 Derwent WPI Acc No: * G 95-023214
 Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):
 US 5621786 P 19920917 US AA PRIORITY
 US 946402 B2 19920917
 US 5621786 P 19920917 US AA PRIORITY
 US 946548 B2 19920917
 US 5621786 P 19920917 US AA PRIORITY
 US 946931 B2 19920917
 US 5621786 P 19920917 US AA PRIORITY
 US 946964 B2 19920917
 US 5621786 P 19930528 US AA PRIORITY
 US 68389 B2 19930528
 US 5621786 P 19940114 US AA PRIORITY
 US 183221 B2 19940114
 US 5621786 P 19940302 US AA PRIORITY
 US 204660 A3 19940302
 US 5621786 P 19940823 US AE APPLICATION DATA (PATENT)
 (APPL. DATA (PATENT))
 US 294742 A 19940823
 US 5621786 P 19970415 US A PATENT
 US 5621786 P 19971118 US CC CERTIFICATE OF CORRECTION
 US 5627879 P 19920917 US AA PRIORITY
 US 946402 B2 19920917
 US 5627879 P 19920917 US AA PRIORITY
 US 946548 B2 19920917
 US 5627879 P 19920917 US AA PRIORITY
 US 946931 B2 19920917
 US 5627879 P 19920917 US AA PRIORITY
 US 946964 B2 19920917
 US 5627879 P 19930528 US AA PRIORITY
 US 68389 B2 19930528
 US 5627879 P 19940114 US AA PRIORITY
 US 183221 B2 19940114
 US 5627879 P 19940302 US AE APPLICATION DATA (PATENT)
 (APPL. DATA (PATENT))
 US 204660 A 19940302
 US 5627879 P 19940705 US AS02 ASSIGNMENT OF ASSIGNEE'S
 INTEREST
 ADC TELECOMMUNICATIONS 4900 WEST 78TH STREET
 MINNEAPOLIS, MINNESOTA 55435 ; RUSSELL, DAVID
 S. : 19940628; FISCHER, LARRY G. : 19940620;

WALA, PHILIP M. : 19940620; RATLIFF, CHARLES
R. : 19940523;

US 5627879	P	19970506	US A	PATENT
US 5642405	P	19920917	US AA	PRIORITY
		US 946402	B2	19920917
US 5642405	P	19920917	US AA	PRIORITY
		US 946548	B2	19920917
US 5642405	P	19920917	US AA	PRIORITY
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US 5642405	P	19920917	US AA	PRIORITY
		US 946964	B2	19920917
US 5642405	P	19930528	US AA	PRIORITY
		US 68389	B2	19930528
US 5642405	P	19940114	US AA	PRIORITY
		US 183221	B2	19940114
US 5642405	P	19940302	US AA	PRIORITY
		US 204660	A3	19940302
US 5642405	P	19940831	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 298652	A	19940831
US 5642405	P	19970624	US A	PATENT
US 5644622	P	19920917	US AA	PRIORITY
		US 946402	B2	19920917
US 5644622	P	19920917	US AA	PRIORITY
		US 946548	B2	19920917
US 5644622	P	19920917	US AA	PRIORITY
		US 946931	B2	19920917
US 5644622	P	19920917	US AA	PRIORITY
		US 946964	B2	19920917
US 5644622	P	19930528	US AA	PRIORITY
		US 68389	B2	19930528
US 5644622	P	19940114	US AA	PRIORITY
		US 183221	B2	19940114
US 5644622	P	19940302	US AA	PRIORITY
		US 204660	A3	19940302
US 5644622	P	19950323	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 409738	A	19950323
US 5644622	P	19970701	US A	PATENT
US 5657374	P	19920917	US AA	PRIORITY
		US 946402	B2	19920917
US 5657374	P	19920917	US AA	PRIORITY
		US 946548	B2	19920917
US 5657374	P	19920917	US AA	PRIORITY
		US 946931	B2	19920917
US 5657374	P	19920917	US AA	PRIORITY
		US 946964	B2	19920917
US 5657374	P	19930528	US AA	PRIORITY
		US 68389	B2	19930528
US 5657374	P	19940114	US AA	PRIORITY
		US 183221	B2	19940114
US 5657374	P	19940302	US AA	PRIORITY
		US 204660	A3	19940302
US 5657374	P	19950323	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 410129	A	19950323
US 5657374	P	19970812	US A	PATENT
US 5657374	P	19980630	US CC	CERTIFICATE OF CORRECTION
US 5852651	P	19920917	US AA	PRIORITY
		US 946402	B2	19920917
US 5852651	P	19920917	US AA	PRIORITY
		US 946548	B2	19920917
US 5852651	P	19920917	US AA	PRIORITY
		US 946931	B2	19920917
US 5852651	P	19920917	US AA	PRIORITY
		US 946964	B2	19920917
US 5852651	P	19930528	US AA	PRIORITY
		US 68389	B2	19930528
US 5852651	P	19940114	US AA	PRIORITY

US 5852651	P	19940302	US AA	PRIORITY
		US 204660	A3	19940302
US 5852651	P	19940831	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
US 5852651	P	19970620	US AS02	ASSIGNMENT OF ASSIGNOR'S
		INTEREST		
		ADC TELECOMMUNICATIONS, INC.	4900 WEST 78TH	
		STREET BLOOMINGTON, MINNESOTA 55435 ;		
		FISCHER, LARRY G. : 19970519; RATLIFF,		
		CHARLES R. : 19970530; WALA, PHILIP M. :		
		19970513		
US 5852651	P	19981222	US A	PATENT
US 5852651	P	20010220	US RF	REISSUE APPLICATION FILED
		(REISSUE APPL. FILED)		
		20001222		

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Patent (No,Kind,Date): WO 9428690 A1 19941208

CELLULAR RADIO SYSTEM WITH CENTRALIZED LOCATED BASE STATIONS AND
DISTRIBUTED ANTENNA UNITS (english)

Patent Assignee: ADC TELECOMMUNICATIONS INC (US); RUSSELL DAVID S (US); FISCHER LARRY G (US); WALA PHILIP M (US); RATLIFF CHARLES R (US); BRENNAN JEFFREY (US)

Author (Inventor): RUSSELL DAVID S (US); FISCHER LARRY G (US); WALA PHILIP M (US); RATLIFF CHARLES R (US); BRENNAN JEFFREY (US)

Priority (No,Kind,Date): US 68389 A 19930528; US 183221 A 19940114; US 204660 A 19940302

Applic (No,Kind,Date): WO 94US5897 A 19940525

Designated States: (National) AT; AU; BB; BG; BR; BY; CA; CH; CN; CZ; DE; DK; ES; FI; GB; GE; HU; JP; KG; KP; KR; KZ; LK; LU; LV; MD; MG; MN; MW; NL; NO; NZ; PL; PT; RO; RU; SD; SE; SI; SK; TJ; TT; UA; UZ; VN (Regional) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; ML; MR; NE; SN; TD; TG

Filing Details: WO 130000 With international search report; Before expiration of time limit for amending the claims and to be republished in the event of the receipt of the amendments

IPC: * H04Q-007/04; H04B-010/12

Derwent WPI Acc No: * G 95-023214; G 95-023214

Language of Document: English

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Legal Status (No,Type,Date,Code,Text):

WO 9428690	P	19930528	WO AA	PRIORITY (PATENT)
		US 68389	A 19930528	
WO 9428690	P	19940114	WO AA	PRIORITY (PATENT)
		US 183221	A 19940114	
WO 9428690	P	19940302	WO AA	PRIORITY (PATENT)
		US 204660	A 19940302	
WO 9428690	P	19940525	WO AE	APPLICATION DATA (APPL. DATA)
		WO 94US5897	A 19940525	
WO 9428690	P	19941208	WO AK	DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED STATES CITED IN A PUBLISHED APPL. WITH SEARCH REPORT)
		AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB GE HU JP KG KP KR KZ LK LU LV MD MG MN MW NL NO NZ PL PT RO RU SD SE SI SK TJ TT UA UZ VN		
WO 9428690	P	19941208	WO AL	DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITH SEARCH REPORT)
		AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG		
WO 9428690	P	19941208	WO A1	PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE

INTERNATIONAL SEARCH REPORT (PUB. OF THE
INTERNATIONAL APPL. WITH THE INTERNATIONAL
SEARCH REPORT)

WO 9428690 P 19950216 WO DFPE REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE

WO 9428690 P 19950315 WO 121 EP: PCT APP. ART. 158 (1)
(EP: PCT ANM. ART. 158 (1))

WO 9428690 P 19960314 DE 8642/REG WITHDRAWAL (ZURUECKNAHME)

WO 9428690 P 19960904 WO 122 EP: PCT APP. NOT ENT. EUROP.
PHASE (EP: PCT ANM. NICHT IN EUROP. PHASE
EING.)

WO 9428690 P 19970128 WO NENP NON-ENTRY INTO THE NATIONAL
PHASE IN:
CA

LEVEL 1 - 1 OF 1 PATENT

5,852,651

<=2> GET 1st DRAWING SHEET OF 58

Dec. 22, 1998

Cellular communications system with sectorization

REISSUE: Reissue Application filed Dec. 22, 2000 (O.G. Feb. 20, 2001) Ex. Gp.:
2744; Re. S.N. 09/747,273

CORE TERMS: channel, antenna, station, digital, digitized, remote, receiver,
zone, transmitter, cell...

LEXIS-NEXIS

Library: PATENT

File: ALL

5852651 OR 5,852,651

LEXIS-NEXIS
Library: PATENT
File: CASES

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To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

5852651 OR 5,852,651

LEXIS-NEXIS
Library: PATENT
File: JNLS

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For further explanation, press the H key (for HELP) and then the ENTER key.

5852651 OR 5,852,651

LEXIS-NEXIS
Library: NEWS
File: CURNWS

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To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.